

RAW SEQUENCE LISTING

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Application Serial Number: 10/578,493A
Source: FWO
Date Processed by STIC: 2/16/07

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RAW SEQUENCE LISTING

DATE: 02/16/2007

PATENT APPLICATION: US/10/578,493A

TIME: 15:08:54

Input Set : E:\Sequence Listing (67987.2).txt

Output Set: N:\CRF4\02162007\J578493A.raw

3 <110> APPLICANT: Desire, Laurent
 5 <120> TITLE OF INVENTION: BACE455, AN ALTERNATIVE SPLICE VARIANT OF THE HUMAN
 6 BETA-SECRETASE
 8 <130> FILE REFERENCE: 67987.000002
 10 <140> CURRENT APPLICATION NUMBER: 10/578,493A
 11 <141> CURRENT FILING DATE: 2006-05-05
 13 <150> PRIOR APPLICATION NUMBER: PCT/IB2004/003897
 14 <151> PRIOR FILING DATE: 2004-11-05
 16 <150> PRIOR APPLICATION NUMBER: 60/517,401
 17 <151> PRIOR FILING DATE: 2003-11-06
 19 <160> NUMBER OF SEQ ID NOS: 34
 21 <170> SOFTWARE: PatentIn version 3.3
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 1368
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Homo sapiens
 28 <400> SEQUENCE: 1
 29 atggcccaag ccctgcctcg gctcctgctg tggatggcg cgggagtgt gcctgcccac 60
 31 ggcacccagc acggcatccg gctgcccctg cgcagccgccc tggggggcgc cccctgggg 120
 33 ctgcggctgc cccgggagac cgacgaagag cccgaggagc cccggccggag gggcagctt 180
 35 gtggagatgg tggacaacct gaggggcaag tcggggcagg gctactacgt ggagatgacc 240
 37 gtggcagcc ccccgagac gctcaacatc ctgttgata caggcagcag taactttgca 300
 39 gtgggtgctg ccccccaccc ctgcctgcat cgctactacc agaggcagct gtccagcaca 360
 41 taccgggacc tccggaaggg tggatgtgtg ccctacaccc agggcaagt ggaaggggag 420
 43 ctgggcaccc acctggtaag catccccat ggcccaacg tcactgtgcg tgccaaacatt 480
 45 gctccatca ctgaatcaga caagttcttc atcaacggct ccaactggga aggcatctg 540
 47 gggctggcct atgctgagat tgccaggatc attggaggta tcgaccactc gctgtacaca 600
 49 ggcagtctct ggtatacacc catccggcgg gagtggatt atgaggtcat cattgtgcgg 660
 51 gtggagatca atggacagga tctgaaaatg gactgcaagg agtacaacta tgacaagagc 720
 53 attgtggaca gtggcaccac caacttcgt ttgccaaga aagtgttga agctgcagtc 780
 55.aaatccatca aggccatcc ctccacggag aagttccctg atggttctg gctaggagag 840
 57 cagctggtgt gctggcaacg aggcaccacc ctttgcaca ttttccctgt catctcactc 900
 59 tacctaattgg gtgaggttac caaccagtcc ttccgcata ccatcttcc gcagcaatac 960
 61 ctgcggccag tggaaatgt ggcacgtcc caagacgtt gttacaagg tgccatctca 1020
 63 cagtcatcca cgggcactgt tatggagat gttatcatgg agggcttcta cgttgtctt 1080
 65 gatcgccccc gaaaacgaat tggctttgc gtcagcgctt gccatgtgca cgatgagttc 1140
 67 aggacggcag cggtgaaagg ccctttgtc accttgaca tggaaagactg tggctacaac 1200
 69 attccacaga cagatgagtc aacccctcatg accatagct atgtcatgac tgccatctgc 1260
 71 gccctttca tgctgcact ctgcctcatg gtgtgtcagt ggcgctgcct ccgctgcctg 1320
 73 cgccagcagc atgatgactt tgctgatgac atctccctgc tgaagtga 1368
 76 <210> SEQ ID NO: 2
 77 <211> LENGTH: 455
 78 <212> TYPE: PRT

See P. b

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79 <213> ORGANISM: Homo sapiens
81 <400> SEQUENCE: 2
83 Met Ala Gln Ala Leu Pro Trp Leu Leu Trp Met Gly Ala Gly Val
84 1 5 10 15
87 Leu Pro Ala His Gly Thr Gln His Gly Ile Arg Leu Pro Leu Arg Ser
88 20 25 30
91 Gly Leu Gly Gly Ala Pro Leu Gly Leu Arg Leu Pro Arg Glu Thr Asp
92 35 40 45
95 Glu Glu Pro Glu Glu Pro Gly Arg Arg Gly Ser Phe Val Glu Met Val
96 50 55 60
99 Asp Asn Leu Arg Gly Lys Ser Gly Gln Gly Tyr Tyr Val Glu Met Thr
100 65 70 75 80
103 Val Gly Ser Pro Pro Gln Thr Leu Asn Ile Leu Val Asp Thr Gly Ser
104 85 90 95
107 Ser Asn Phe Ala Val Gly Ala Ala Pro His Pro Phe Leu His Arg Tyr
108 100 105 110
111 Tyr Gln Arg Gln Leu Ser Ser Thr Tyr Arg Asp Leu Arg Lys Gly Val
112 115 120 125
115 Tyr Val Pro Tyr Thr Gln Gly Lys Trp Glu Gly Glu Leu Gly Thr Asp
116 130 135 140
119 Leu Val Ser Ile Pro His Gly Pro Asn Val Thr Val Arg Ala Asn Ile
120 145 150 155 160
123 Ala Ala Ile Thr Glu Ser Asp Lys Phe Phe Ile Asn Gly Ser Asn Trp
124 165 170 175
127 Glu Gly Ile Leu Gly Leu Ala Tyr Ala Glu Ile Ala Arg Ile Ile Gly
128 180 185 190
131 Gly Ile Asp His Ser Leu Tyr Thr Gly Ser Leu Trp Tyr Thr Pro Ile
132 195 200 205
135 Arg Arg Glu Trp Tyr Tyr Glu Val Ile Ile Val Arg Val Glu Ile Asn
136 210 215 220
139 Gly Gln Asp Leu Lys Met Asp Cys Lys Glu Tyr Asn Tyr Asp Lys Ser
140 225 230 235 240
143 Ile Val Asp Ser Gly Thr Thr Asn Leu Arg Leu Pro Lys Lys Val Phe
144 245 250 255
147 Glu Ala Ala Val Lys Ser Ile Lys Ala Ala Ser Ser Thr Glu Lys Phe
148 260 265 270
151 Pro Asp Gly Phe Trp Leu Gly Glu Gln Leu Val Cys Trp Gln Ala Gly
152 275 280 285
155 Thr Thr Pro Trp Asn Ile Phe Pro Val Ile Ser Leu Tyr Leu Met Gly
156 290 295 300
159 Glu Val Thr Asn Gln Ser Phe Arg Ile Thr Ile Leu Pro Gln Gln Tyr
160 305 310 315 320
163 Leu Arg Pro Val Glu Asp Val Ala Thr Ser Gln Asp Asp Cys Tyr Lys
164 325 330 335
167 Phe Ala Ile Ser Gln Ser Ser Thr Gly Thr Val Met Gly Ala Val Ile
168 340 345 350
171 Met Glu Gly Phe Tyr Val Val Phe Asp Arg Ala Arg Lys Arg Ile Gly
172 355 360 365
175 Phe Ala Val Ser Ala Cys His Val His Asp Glu Phe Arg Thr Ala Ala

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176 370 375 380
179 Val Glu Gly Pro Phe Val Thr Leu Asp Met Glu Asp Cys Gly Tyr Asn
180 385 390 395 400
183 Ile Pro Gln Thr Asp Glu Ser Thr Leu Met Thr Ile Ala Tyr Val Met
184 405 410 415
187 Ala Ala Ile Cys Ala Leu Phe Met Leu Pro Leu Cys Leu Met Val Cys
188 420 425 430
191 Gln Trp Arg Cys Leu Arg Cys Leu Arg Gln Gln His Asp Asp Phe Ala
192 435 440 445
195 Asp Asp Ile Ser Leu Leu Lys
196 450 455
199 <210> SEQ ID NO: 3
200 <211> LENGTH: 6
201 <212> TYPE: PRT
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Chemically Synthesized
207 <400> SEQUENCE: 3
209 Ile Ala Arg Ile Ile Gly
210 1 5
213 <210> SEQ ID NO: 4
214 <211> LENGTH: 7
215 <212> TYPE: PRT
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Chemically Synthesized
221 <400> SEQUENCE: 4
223 Glu Ile Ala Arg Ile Ile Gly
224 1 5
227 <210> SEQ ID NO: 5
228 <211> LENGTH: 8
229 <212> TYPE: PRT
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Chemically Synthesized
235 <400> SEQUENCE: 5
237 Glu Ile Ala Arg Ile Ile Gly Gly
238 1 5
241 <210> SEQ ID NO: 6
242 <211> LENGTH: 8
243 <212> TYPE: PRT
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Chemically Synthesized
249 <400> SEQUENCE: 6
251 Ala Glu Ile Ala Arg Ile Ile Gly
252 1 5
255 <210> SEQ ID NO: 7
256 <211> LENGTH: 9

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Input Set : E:\Sequence Listing (67987.2).txt
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257 <212> TYPE: PRT
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Chemically Synthesized
263 <400> SEQUENCE: 7
265 Ala Glu Ile Ala Arg Ile Ile Gly Gly
266 1 5
269 <210> SEQ ID NO: 8
270 <211> LENGTH: 10
271 <212> TYPE: PRT
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Chemically Synthesized
277 <400> SEQUENCE: 8
279 Ala Glu Ile Ala Arg Ile Ile Gly Gly Ile
280 1 5 10
283 <210> SEQ ID NO: 9
284 <211> LENGTH: 9
285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Chemically Synthesized
291 <400> SEQUENCE: 9
293 Tyr Ala Glu Ile Ala Arg Ile Ile Gly
294 1 5
297 <210> SEQ ID NO: 10
298 <211> LENGTH: 10
299 <212> TYPE: PRT
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Chemically Synthesized
305 <400> SEQUENCE: 10
307 Tyr Ala Glu Ile Ala Arg Ile Ile Gly Gly
308 1 5 10
311 <210> SEQ ID NO: 11
312 <211> LENGTH: 11
313 <212> TYPE: PRT
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Chemically Synthesized
319 <400> SEQUENCE: 11
321 Tyr Ala Glu Ile Ala Arg Ile Ile Gly Gly Ile
322 1 5 10
325 <210> SEQ ID NO: 12
326 <211> LENGTH: 18
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: probe

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Input Set : E:\Sequence Listing (67987.2).txt
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333 <400> SEQUENCE: 12 18
334 attgccagga tcattgga
337 <210> SEQ ID NO: 13
338 <211> LENGTH: 10
339 <212> TYPE: DNA
340 <213> ORGANISM: Artificial Sequence
342 <220> FEATURE:
343 <223> OTHER INFORMATION: primer
345 <400> SEQUENCE: 13
346 aggcatcctg 10
349 <210> SEQ ID NO: 14
350 <211> LENGTH: 10
351 <212> TYPE: DNA
352 <213> ORGANISM: Artificial Sequence
354 <220> FEATURE:
355 <223> OTHER INFORMATION: primer
357 <400> SEQUENCE: 14
358 ggcgtggcct 10
361 <210> SEQ ID NO: 15
362 <211> LENGTH: 10
363 <212> TYPE: DNA
364 <213> ORGANISM: Artificial Sequence
366 <220> FEATURE:
367 <223> OTHER INFORMATION: primer
369 <400> SEQUENCE: 15
370 atgctgagat 10
373 <210> SEQ ID NO: 16
374 <211> LENGTH: 6
375 <212> TYPE: DNA
376 <213> ORGANISM: Artificial Sequence
378 <220> FEATURE:
379 <223> OTHER INFORMATION: primer
381 <400> SEQUENCE: 16
382 tggccag 6
385 <210> SEQ ID NO: 17
386 <211> LENGTH: 6
387 <212> TYPE: DNA
388 <213> ORGANISM: Artificial Sequence
390 <220> FEATURE:
391 <223> OTHER INFORMATION: primer
393 <400> SEQUENCE: 17
394 gatcat 6
397 <210> SEQ ID NO: 18
398 <211> LENGTH: 10
399 <212> TYPE: DNA
400 <213> ORGANISM: Artificial Sequence
402 <220> FEATURE:
403 <223> OTHER INFORMATION: primer
405 <400> SEQUENCE: 18

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/16/2007
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KJS
Input Set : E:\Sequence Listing (67987.2).txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:33; Xaa Pos. 5

VERIFICATION SUMMARY

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L:595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0